

AMENDMENTS TO THE CLAIMS

Claims 1-9 (canceled)

Claim 10 (currently amended): A printing system comprising:

a stage for supporting a substrate;

a print head including:

an ejector base, and

a plurality of ejectors mounted in the
ejector base;

means for moving the print head in a first print direction and a second print direction across a substrate without changing a rotational orientation of the print head relative to the substrate, the first print direction and the second print direction being nonparallel; and

means for causing the plurality ejectors to selectively eject material toward the substrate when the print head is moving in ~~either of~~ the first printing direction and for causing the plurality ejectors to selectively eject material toward the substrate when the print head is moving in the second printing direction,

wherein the first plurality of ejectors are arranged on the ejector base in a first line, the first line being diagonal to the first print direction and the second print direction.

Claim 11 (previously presented): The printing system of Claim 10, wherein the first print direction and the second print direction are orthogonal.

Claim 12 (previously presented): The printing system of Claim 11, wherein the first line is at a 45° angle with respect to the first print direction and the second print direction.

Claim 13 (previously presented): The printing system of Claim 10, further comprising means for causing the print head to print an IC pattern on the substrate, wherein a first spacing between each of the first plurality of ejectors in the first print direction is an integer multiple of a first design rule of the IC pattern, and wherein a second spacing between each of the first plurality of ejectors in the second print direction is an integer multiple of a second design rule of the IC pattern.

Claim 14 (previously presented): The printing system of Claim 13, wherein the first design rule is the same as the second design rule.

Claim 15 (previously presented): The printing system of Claim 10, further comprising a second plurality of ejectors mounted in the ejector base, the second plurality of ejectors being arranged in a second line, the second line being parallel to the first line, wherein each of the first plurality of ejectors and the second plurality of ejectors has a unique position in the first print direction.

Claim 16 (previously presented): The printing system of Claim 15, further comprising a third plurality of ejectors mounted in the ejector base, the third plurality of ejectors being arranged in a third line, the third line being parallel to the first line, wherein each of the first plurality of ejectors and the third plurality of ejectors has a unique position in the second print direction.

Claim 17 (previously presented): The printing system of Claim 10, further comprising means for causing the plurality of ejectors to print a phase change material for a semiconductor process mask.

Claim 18 (previously presented): The printing system of Claim 10, further comprising means for causing the plurality of ejectors to print a solution-processable electronic materials to form an integrated circuit.

Claim 19 (previously presented): The printing system of Claim 10, further comprising means for aligning the plurality of ejectors to the substrate before causing the plurality of ejectors to selectively eject said material toward the substrate.

Claim 20 (previously presented): The printing system of Claim 19, wherein said means for aligning comprises a camera mounted on said means for moving.